

UNITED TATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, SW

Form Approved OMB No. 2070-0060

Washington, DC 20460

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	DATA MATRIX	(NEW STUD	ES)		
Date January 21, 2003			EPA Reg. No./File Symbol 71297-xx		Page 1
Applicant's/Registrant's Name and Address: AgroFresh, Inc., a subsidiary of Rohm and Haas Company 100 Independence Mall West, Philadelphia, PA 19106-2399		s Company -	Product SmartFresh™ SmartTabs		
Active Ingredient: 1-Methylcyclop	propene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	R. Jacobson; Product Chemistry Series 830 Group A: Product Identity, Composition, and Analysis of SmartFresh TM Tablet Formulation, Report AF02-054		AgroFresh Inc.; a subsidiary of Rohm and Haas Company	Own	
	R. Jacobson, D. Verona; Product Chemistry Series 830 Group B: Physical and Chemical Characteristics of SmartFresh TM Tablet Formulation, Report AF02-059		AgroFresh Inc.; a subsidiary of Rohm and Haas Company	Own	
	R. Jacobson; Description and Composition of the SmartFresh TM SmartTabs Formulation and Activator Kit, Report AF02-089		AgroFresh Inc.; a subsidiary of Rohm and Haas Company	Own	
	D. R. Verven, Acute Oral Toxicity/LD50 in Rats, Report 02RC-010		AgroFresh Inc.; a subsidiary of Rohm and Haas Company	Own	
•					
Signature Robert H	+ Larker		Name and Title: Robert H. Larkin Vice President, Research & Regulatory Affairs	Date January 21,	2003

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	DATA MATRIX (Previ	ously Submitt	ed Studies)				
Date January 21, 2003			EPA Reg. No./File Symbol 71297-xx		Page 1 of 10		
Applicant's/Registrant's Name and	Address: AgroFresh, Inc., a subsidiary of Rohm and Haa	s Company	Product		~*		
100 Independence Mall West,	Philadelphia, PA 19106-2399		SmartFresh™ SmartTabs				
Active Ingredient: 1-Methylcyclopi	ropene						
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note		
Series 151A-10	J. Daly; Product Identity and Disclosure of Ingredients for 1-MethylCyclopropene (MCP); BioTechnologies for Horticulture, Inc. (BTH) Document No. 1; 24Oct97.	445170-01	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own			
Series 151-10	B. Kourelis; Manufacturing Process for Methyl- Cyclopropene (MCP); BTH Document No. 2; Sep97.	444647-01	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own			
OPPTS 885.1200 (151-10) OPPTS 885.1500 (151-16)	A. Roberts; Manufacturing Process and Certified Limits for EthylBloc - Supplemental Data; BTH; 13Jan99.	Not Known	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own			
Series 151A-12	J. Daly; Discussion of the Formation of Unintentional Ingredients in EthylBloc: Methylcyclopropene (MCP); BTH Document No. 3; Sep97.	445170-02	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own			
Series 151A-13	B. Kourelis; Preliminary Analysis of Methyl- cyclopropene (MCP); BTH Document No. 4; Nov97.	444647-02	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own			
Series 152A-15	J. Daly; Certification of Ingredient Limits for Ethylbloc™; BTH Document No. 5; Nov97.	445170-03	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own			
Signature Kober	TH. Lack		Name and Title: Robert H. Larkin Vice President, Research & Regulatory Affairs	Date January 21, 2	2003		

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	DATA MATRIX (Previo	ously Submitt	ed Studies)		
Date January 21, 2003			EPA Reg. No./File Symbol 71297-xx		Page 2 of 10
Applicant strength and readings. Agree 100th, mor, a dabotatary or rooms and read of strength			Product SmartFresh™ SmartTabs		
Active Ingredient: 1-Methylcyclopro	ppene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Series 151-16	J. Daly; Analytical Method for Certified Limits of Methylcyclopropene (MCP); BTH Document No. 6; Oct97.	444647-03	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
Series 63	J. Bennick; EthylBloc (MCP): Product Chemistry for Non-Combustible End-Use Solids; Stillmeadow Inc. Study No. 3454-97; 11Nov97.	445170-04	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
OPPTS 830	A. Roberts; Physical and Chemical Properties of EthylBloc - Part II; BTH; 27May98.	445676-01	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
151-10 151-16	A. Roberts; Manufacturing Process and Certified Limits for EthylBloc® - Supplemental Data; 13Jan99	Not Known	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
40 CFR Part 158.690 (152- 10)	R. Pfeifer; MCP Acute Oral Toxicity Study; Toxikon Corp. Study No. 96G-2085; 31Dec96.	444647-04	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
40 CFR Part 158.690 (152- 11)	R. Pfeifer; MCP Acute Dermal Toxicity Study (Single Exposure); Toxikon Corp. Study No. 96G-2086; 30Jan97.	444647-05	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
Signature	H. Lacker		Name and Title: Robert H. Larkin Vice President, Research & Regulatory Affairs	Date January 21, 2	003

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	DATA MATRIX (Previo	ously Submitte	ed Studies)		
Date January 21, 2003			EPA Reg. No./File Symbol 71297-xx		Page 3 of 10
Applicant's/Registrant's Name and Address: AgroFresh, Inc., a subsidiary of Rohm and Haas Company 100 Independence Mall West, Philadelphia, PA 19106-2399			Product SmartFresh™ SmartTabs		
Active Ingredient: 1-Methylcyclop	opene				
Suideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
152-12	J. Bennick; EthylBloc (MCP): Acute Inhalation Toxicity Study in Rats; Stillmeadow Inc. Study No. 3333-97; 10Sep97.	444647-06	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
40 CFR Part 158.690 (152-13)	J. Prezioso; MCP Primary Eye Irritation Study; Toxikon Corp. Study No. 96G-2089; 13Dec96.	444647-07	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
40 CFR Part 158.690 (152-14)	R. Pfeifer; MCP Primary Dermal Irritation Study; Toxikon Corp. Study No. 96G-2088; 13Dec96	444647-08	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
152-15	R. Pfeifer, MCP Buehler Sensitization Test; Toxikon Corp. Study No. 96G-2087; 31Dec96	445170-05	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
52-15	A. Roberts/TSG to D. Benmhend/EPA; 27May98; missing pages 29-42 for R. Pfeifer; MCP Buehler Sensitization Test; Toxikon Corp. Study No. 96G-2087; 31Dec96.	Not Known	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
52-16	J. Daly; Hypersensitivity Incidents Report for Methylcylcopropene (MCP); BTH Document No. 14: Qct97.	445170-06	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
Signature (32)	H. Larker		Name and Title: Robert H. Larkin Vice President, Research & Regulatory Affairs Agency Internal U	Date January 21, 2	003



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Date January 21, 2003			EPA Reg. No./File Symbol 71297-xx		Page 4 of 10
Applicant's/Registrant's Name and Address: AgroFresh, Inc., a subsidiary of Rohm and Haas Company 100 Independence Mall West, Philadelphia, PA 19106-2399		Product SmartFresh™ SmartTabs			
Active Ingredient: 1-Methylcyclop	propene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
152-16	A.Roberts/TSG to D. Benmhend/EPA; 27May98; corrected Statement of No Data Confidentiality Claims for J. Daly; Hypersensitivity Incidents Report for Methylcyclopropene (MCP); BTH Document No. 14; Oct97.	Not Known	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
84-2	J. Prezioso; MCP Salmonella Typhimurium Reverse Mutation Assay - FIFRA; Toxikon Corp. Study No. 96G-2139; 13Dec96.	444647-09	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
84-2	M. Cifone; Mutagenicity Test on MCP in the L5178Y TK +/- Mouse Lymphoma Forward Mutation Assay; Covance Study No. 18384-0-431; 10Jul97.	444647-10	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
84-2	J. Ivett; Mutagenicity Test on MCP in an <i>In Vivo</i> Mouse Micronucleus Assay; Covance Study No. 18384-0-455; 23May97	444647-11	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
Not Applicable	G. Hazelton; Petition for an Exemption from the Requirement of Tolerances for Residues of 1-Methylcyclopropene on Food Commodities; Report 00R-1012 04Apt 00	Not Known	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	Document submitted to EPA 06Apr00
Signature . Lobe	TH Larker		Name and Title: Robert H. Larkin Vice President, Research & Regulatory Affairs	Date January 21,	2003

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DATA MATRIX (Previously Submitted Studies)							
Date January 21, 2003			EPA Reg. No./File Symbol 71297-xx		Page 5 of 10		
Applicant's/Registrant's Name and Address: AgroFresh, Inc., a subsidiary of Rohm and Haas Company 100 Independence Mall West, Philadelphia, PA 19106-2399		Product SmartFresh™ SmartTabs					
Active Ingredient: 1-Methylcyclop	propene						
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note		
Not Applicable	S. Longacre; Rationale for Waivers of Study Requirements for Registration of 1- Methylcyclopropene on Post-Harvest Fruits and Vegetables; Report AGREG-00-02; 04Apr00	Not Known	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	Document submitted to EPA 06Apr00		
PR Notice 97-1	S. Longacre; 1-Methylcyclopropene on Post Harvest Fruits and Vegetables; An Assessment of the Risk Criteria Established in the Food Quality Protection Act [FQPA] Supporting an Exemption from the Requirement of Tolerances for BioTechnologies for Horticulture, Inc. Pesticide Petition - Unassigned (1-Methylcyclopropene on Post-Harvest Fruits and Vegetables); Report AGREG-00-01; 05Apr00	450896-01	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	Document submitted to EPA 06Apr00		
Not Applicable	W.D. Shade; 1-Methylcyclopropene (1-MCP): Industrial Source Complex (ISCST3) Dispersion Modeling of Air Emissions from Controlled Atmosphere Facilities; Report 00R- 1066; 17Jan01	453171-01	AgroFresh, Inc./Rohm and Haas Company	Own	Document submitted to EPA 29Jan01		
Signature	TH. Looke		Name and Title: Robert H. Larkin Vice President, Research & Regulatory Affairs	Date January 21,	2003		

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Applicant's/Registrant's Name and Address: AgroFresh, Inc., a subsidiary of Rohm and Haas Company 100 Independence Mall West, Philadelphia, PA 19106-2399		Product SmartFresh™ SmartTabs						
Active Ingredient: 1-Methylcyclop	propene							
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note			
152-10 (OPPTS 870.1100)	J. R. Parno, L. P. Craig, and S. L. Eberly; 1-Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): Acute Oral Toxicity Study in Male and Female Rats; Rohm and Haas Report 00R-199; 08Feb01	45380308	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01			
152-12 (OPPTS 870.1300)	J. S. Ferguson, L. P. Craig, and H. J. Bernacki; 1-Methylcyclopropene: Acute Inhalation Toxicity Study in Rats; Rohm and Haas Report 00R-180; 08Feb01	45380301	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01			
84-2 (OPPTS 870.5100)	P. J. O'Neill and C. B. Frederick; 1-Methyl-cyclopropene Vapor Released from 1-Methyl-cyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): Salmonella typhimurium Gene Mutation Assay; Rohm and Haas Report 00R-193A; 27Feb01	45380302	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01			
84-2 (OPPTS 870.5300)	M. A. Cifone; 1-Methylcyclopropene Vapor Released From 1-Methylcyclopropene Alpha- Cyclodextrin Complex (3.3% a.i.): CHO HGPRT Forward Mutation Assay with a Confirmatory Assay and Duplicate Cultures; Rohm and Haas Report 00RC-195; 27Mar01	45380303	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01			
Signature Kober	H Larker		Name and Title: Robert H. Larkin Vice President, Research & Regulatory Affairs	Date January 21,	2003			

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	DATA MATRIX (Previ	ough Submitt	ed Studies		
Date January 21, 2003	DATA MIATRIX (FIEW		EPA Reg. No./File Symbol 71297-xx		Page 7 of 10
<u> </u>					1 age 7 01 10
••	Address: AgroFresh, Inc., a subsidiary of Rohm and Haa t, Philadelphia, PA 19106-2399	as Company	Product SmartFresh™ SmartTabs		
Active Ingredient: 1-Methylcyclo	propene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
84-2 (OPPTS 870.5375)	H. Murli; 1-Methylcyclopropene Vapor Released From 1-Methylcyclopropene Alpha- Cyclodextrin Complex (3.3% a.i.): Chromosomal Aberrations in Cultured Human Peripheral Blood Lymphocytes; <i>In Vitro</i> Cytogenetic Study in Human Lymphocytes; Rohm and Haas Report 00RC-194; 14Mar01	45380304	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01
84-2 (OPPTS 870.5395)	J. L. Sames and C. B. Frederick; 1-Methyl- cyclopropene: Micronucleus Assay in CD-1 Mouse Bone Marrow Cells; Rohm and Haas Report 00R-232; 05Feb01	45380305	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01
None	J. S. Ferguson, L. P. Craig, and K. R. Lampe; 1-Methylcyclopropene Two-Week Inhalation Range-Finding Study in Female Rats; Rohm and Haas Report 00R-183A; 22Mar01	45380306	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01
None	S. L. Longacre and G. A. Hazelton; 1-Methylcyclopropene (1-MCP) Dietary and Worker Risk Assessment; Rohm and Haas Report AGREG-03-01; 03Apt01	45380307	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01
Cinneture			Nome and Title:	Data	
Signature	TH. Larker		Name and Title: Robert H. Larkin Vice President, Research & Regulatory Affairs	Date January 21,	2003

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Date January 21, 2003			EPA Reg. No./File Symbol 71297-xx		Page 8 of 10
Applicants/Registrants reame and Address. Agror resin, mo., a substancy of resim and reads sempany		Product SmartFresh™ SmartTabs			
Active Ingredient: 1-Methylcyclop	ropene				ļ
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4	D. J. Verona; 14C-1-Methylcyclopropene (1-MCP) Preliminary Results of 14C-Residues in Apples; Rohm and Haas Report TR 34-01-30; 05Apr01	45380309	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 06Apr01
Series 830 Group A	J. C. Crawford; Product Chemistry Series 830 Group A: Product Identity, Composition, and Analysis of 1-MCP Formulation; Rohm and Haas Report APR-01-068; 17May01	45458601	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 28Jun01
Series 830 Group A	W. Hu; GLP Validation of Test Method TM-2000-245-01; Rohm and Haas Report APR-01-017; 19Mar01	45458602	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 28Jun01
Series 830 Group B	J. C. Crawford; Product Chemistry Series 830 Group B: Physical and Chemical Characteristics of 1-MCP Formulation; Rohm and Haas Report APR-01-069; 27Apr01	45458603	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 28Jun01
152-11 (OPPTS 870.1200)	J. R. Parno, L. P. Craig, and S. L. Eberly; 1-Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): Acute Dermal Toxicity Study in Male and Female Rats; Rohm and Haas Report 00R-200; 08Feb01	45458604	AgroFresh, Inc., a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 28Jun01
Signature	TH Looker		Name and Title: Robert H. Larkin Vice President, Research & Regulatory Affairs	Date January 21,	2003

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Date January 21, 2003			EPA Reg. No./File Symbol 71297-xx		Page 9 of 10
Applicant's/Registrant's Name and Address: AgroFresh, Inc., a subsidiary of Rohm and Haas Company 100 Independence Mall West, Philadelphia, PA 19106-2399		Product SmartFresh™ SmartTabs			
Active Ingredient: 1-Methylcyclor	propene				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
152-14 (OPPTS 870.2500)	J. R. Parno, L. P. Craig, and S. L. Eberly; 1-Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): Skin Irritation Study in Rabbits; Rohm and Haas Report 00R-201; 08Feb01	45458605	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 28Jun01
152-13 (OPPTS 870.2400)	J. R. Parno, L. P. Craig, and S. L. Eberly; 1- Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): Eye Irritation Study in Rabbits; Rohm and Haas Report 00R-202; 08Feb01	45458606	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 28Jun01
152-15 (OPPTS 870.2600)	J. R. Parno, D. M. Anderson, and T. L. Danberry; 1-Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): Dermal Sensitization Study in Guinea Pigs - Maximization Test; Rohm and Haas Report 00R-203; 07Feb 01	45458607	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 28Jun01
152-23 (OPPTS 870.3700)	S. L. Wood, L. P. Craig, H. J. Bernacki, and T. L. Danbury; 1-Methylcuclopropene: Inhalation (Whole Body) Developmental Toxicity Study in Rats; Rohm and Haas Report OOR-181;	45458608	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study sub- mitted to EPA 28Jun01
Signature	sut A Larker		Name and Title: Robert H. Larkin Vice President, Research & Regulatory Affairs	Date January 21,	2003

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Date January 21, 2003			EPA Reg. No./File Symbol 71297-xx	Page 10 of 10
Applicant's/Registrant's Name and Address: AgroFresh, Inc., a subsidiary of Rohm and Haas Company		Product		
100 Independence Mall West	, Philadelphia, PA 19106-2399		SmartFresh™ SmartTabs	
Active Ingredient: 1-Methylcyclop	propene			
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter Stat	us Note

(OPPTS 870.3465)	J. S. Ferguson, E. M. Anderson, H. J. Bernacki, Jr.; 1-Methylcyclopropene: 3-month Inhalation (Whole Body) Toxicity Study in Rats; Rohm and Haas Report 00R-183; 19Oct01	45609001	AgroFresh Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 14Dec01
171-4	D. Verona; C14-1-Methylcyclopropene (1-MCP) Apple Residue Study; Rohm and Haas Report AF-01-141; 12Dec01	45609002	AgroFresh Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 14Dec01
Not Applicable	B. A. Snyder, B. M. Stevens; Determination of 3-Chloro-2-Methylpropene Concentration in Chamber Treated with 1-Methylcyclopropene; Rohm and Haas Report AF-01-143; 4Dec01	45609003	AgroFresh Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 14Dec01
Not Applicable	G. A. Hazelton; 1-Methylcyclopropene (1-MCP): Assessment of Worker and Consumer Risk; Rohm and Haas Report 01R-1071, 26Nov01	45609004	AgroFresh Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 14Dec01

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Date - -January 21, 2003